IRON BUILDING and ROOFING WORKS, BIRMINGHAM.

JOSEPH H. POWELL,

Manufacturer of the Corrugated and other kinds of Iron Roofing, Railway Stations, Warehouses, Shops, Farm Buildings, Conservatories, Churches, Schools, &c.

PATENTEE

Of the Corrugated Iron Rooms, Gardens, and Fire-proof Offices.

LONDON—Office, 34, Cornhill.

THE PATENT GALVANIZED IRON.

TURNER AND CARR,

Owners of Crawford's Patents, and Licensees to the

THE GALVANIZED IRON COMPANY,

Are prepared to offer for Houses, Stables, Corrugated, for roofing Warehouses, Iron Pipes, Cisterns, Wire of all gauges, Galvanized Nails, &c. Wholesale, retail, and for exports.

An allowance to the trade.

WORKS—REGENT'S CANAL WHARF, LIMEHOUSE, and BIRMINGHAM.

LONDON OFFICE, 5, MANSION-HOUSE PLACE.

THE PATENT (IMPROVED) GALVANISED IRON.

JOHN STRONG and CO. beg to call the attention of merchants, builders, contractors, and others to the improvements they have made in making GALVANIZED IRON, by which they are enabled not only to preserve the toughness and ductility of the iron, but to supply galvanized sheet-iron and wire of every description, superior in all respects to that produced by any other process.

Galvanized iron for house roofs, corrugated sheets, lanterns, wire for gardens and conservatories, fencing, rosettes, &c.

Improved and cheapest for the Gold Regions, complete with Z and CO.'S PATENT GALVANIZED IRON GOLD WASHING MACHINES.

N.B.—Merchants can obtain estimates for roofs, and complete lists of prices, and every other information, forwarded on application.

OFFICES—18, CIRCUS, MINORIES.

WORKS—GLASS HOUSE YARD, opposite the principal entrance to the London Docks.

PUMPS on HIRE!!!—TO CONTRACTORS, BUILDERS, AND OTHERS.—The largest STOCK in England, of SINGLE and DOUBLE PUMPS, of a superior description, from 4 inch to Double 18-inch barrels, and prepared for hand or steam power, kept in the great Hydraulic Factory, ready for immediate delivery, at BENJAMIN WILLIS'S Steam Pump and Hot Water Apparatus Manufactory, Whitefriars-street, Fleet-street, London. Hand-engine Frames, of various sizes, for Wells of any depth, made on the most approved principle.

FARM AND COTTAGE PUMPS.

PATENT CAST-IRON PUMPS for the use of Farmers, Cottagers, Manure Tanks, and Shallow Wells.

Patent Pump ..... £1 10 0

Patent Pump, with 15 feet of lead pipe attached and bolts and nuts ready for fixing ..... 2 10 0

Larger sizes if required.

May be obtained of any Iron monger or Plumber in Town or Country, or of the Patentees and Manufacturers,

JOHN WARNER and SONS, 8, Cornhill, Jewin-street, London.

Every description of Machinery for Raising Water, Fire Engines, &c.

The usual allowance to the Trade.

A CAPITAL MAHOGANY SHOP-SASH, in good order, glazed with plate glass, TO BE SOLD.—May be seen at Messrs. ROPER and SONS, Saddlers, 181, Wardour-street, Soho-street.

CHARLES WM. WATERLOW,

Manufacturer of Sashes and Frames, and Joiner to the Trade,

231, Bishopsgate-street, Finsbury-square.

W. Has constantly on hand materials, superior workmanship, lowest prices.

Upwards of FOUR HUNDRED DOORS, and a large variety of Sashes and Frames always on sale.

Shipping and country orders packed for the country. Prompt attention to any operation.

N.B. This establishment is worth the notice of all engaged in building.

NOTICE of REMOVAL.—JOHNSON & PASK, Sash, Shop Front, and Door Makers to the Trade,

beg to inform their Customers and the Public generally, that they have removed to more extensive premises in

BAKER-STREET,

BAGNIGGE WELLS-ROAD,

where they have convenience for carrying on a larger business.

N.B. By inclosing a postage stamp a full list of prices may be had by return of post.

SASHES and EMERY, ROBERT-STREET, BEDFORD ROW.

Sashes and Frames, Shop Fronts, Doors, and all other kinds of Joiners' Work supplied on the Lowest possible terms. Frames, Windows and Mahogany Work done in the best manner, and French polished; Shop and Office Fittings on the shortest notice. Glazed and Polished Goods ready Packed for the Country.

By inclosing a postage stamp, a full list of Prices will be returned.

late THOMAS WARD, SASH and SHOP FRONT MANUFACTURER and JOINER to the TRADE, 108, Upper Whitecross Street, St. Luke's. Established 1820.

Upwards of 500 good seasoned doors in stock.

Workmanship and Materials of the best description.

Estimates given for every description of work.

By inclosing a postage stamp a full list of prices will be returned.

CHURCH and TURRET BELLS.

EXHIBITION PRIZE MEDAL awarded to

J. WARNER AND SONS,

BELL FOUNDERS AND BELL HANGERS,

who are prepared to contract for the supply of

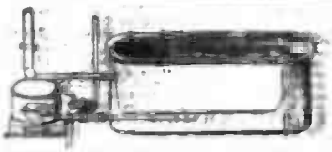
CHURCH BELLS

of any weight or size, single or in peals, of the most approved Bells, complete with stocks, wheels, ropes, &c.

MUSICAL HAND BELLS,

Clock, House, Ship, Cattle and every other description of Bells kept in stock.

Old Bells taken in exchange.



BATHS.—J. TYLOR and SONS, REGISTERED APPARATUS, consisting of Chemically Galvanized Iron Baths (patented) in numbers of sizes or machines fitted in Pitcher, complete with Shower Gentleman's Better and Cord, with Index-plate for the supply and waste water. This apparatus is complete in itself, and can be fixed without the assistance of workmen or carpenter. A warm bath can be ready for use in less time than half an hour, at the cost of 1d. and 1½d. respectively. Apply to the Proprietors, or the Manufacturers, J. TYLOR and SONS, Warwick-lane, London.

IRON-ROOF WORKS.

By Royal Letters Patent.

JOHN WALKER, SON OF THE PATENTEE, GENERAL CONTRACTOR,

Having extended his means for executing Orders, and Contracts for

CORRUGATED IRON BUILDINGS AND ROOFS,

Galvanized or otherwise, will be happy to wait, by appointment, on ARCHITECTS, ENGINEERS, &c.

Merchants are invited to ascertain his Prices for Shipping Orders. The Trade supplied with Corrugated Iron, Plain or Galvanized, or Iron Corrugated, Rolled Plates in Pieces of the first class.

FIRE-PROOF FLOORING.

The earnest attention of ARCHITECTS, ENGINEERS, &c. &c. is called to a particularly economical mode of erecting Fireproof Floors capable of sustaining great weight, without any thrust against the walls. Any information, with Estimates, Drawings, &c. may be obtained at the Offices,

63, GRACECHURCH-STREET, LONDON.

PLUMBIC ZINC.

MOREWOOD AND ROGERS'S PATENT PLUMBIC ZINC

POSSESSES THE DURABLE QUALITIES OF LEAD, and not requiring to be more than ONE-FOURTH AS HEAVY AS SHEET LEAD, is, with great ECONOMY and ADVANTAGE, substituted for that metal FOR ROOFING, RIDGES, GUTTERS, and all other purposes to which sheet lead is applicable.

THE EXPENSE OF THIS METAL IS LESS THAN ONE-HALF THAT OF LEAD.

For further particulars, apply to

MOREWOOD AND ROGERS, GALVANIZED TINNED IRON WAREHOUSE, STEEL-YARD WHARF, 87, UPPER THAMES-STREET, LONDON.

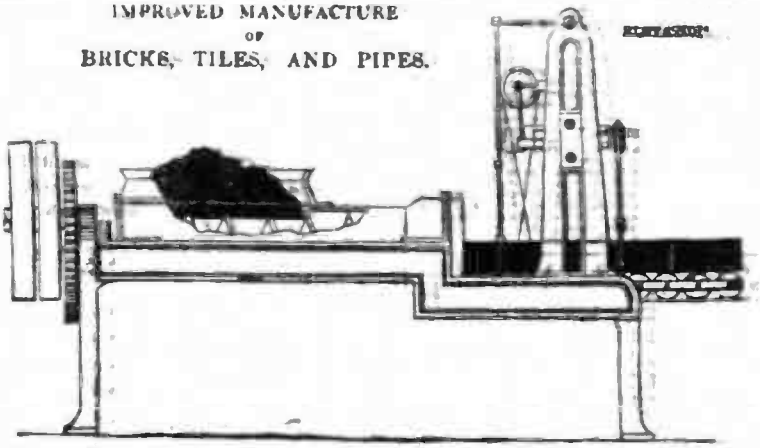
RANDELL AND SAUNDERS'S PATENT MACHINE

FOR THE

IMPROVED MANUFACTURE

OF

BRICKS, TILES, AND PIPES.



In this machine are combined the two objects so long sought in brick machinery—a press which forces the clay through a die without cessation so long as the clay is supplied to the machine, and a perpetual self-acting cutter, which severs the clay the required length without interfering with its progress.

The clay, in a rough state, is thrown upon the screws by the person employed to fill the machine; the screws, in revolving, thoroughly pug the clay, and also force it forwards into a chamber at the other end of the cylinder in which they revolve; from this chamber the clay is allowed to issue through a die, and it is obvious that the stream of clay must take the form of the opening through which it passes, and this opening can be made of the form required to make bricks, tiles, pipes, and other descriptions of ware.

When it is necessary to give the ordinary bricks a corrugated shape, this may be done by attaching a knife to the cylinder of the cutter; this knife revolves with the cylinder, and is made the shape required for the ends of the bricks which form it intends to the bricks in cutting them. This arrangement is adapted for making Messrs. RANDELL and SAUNDERS's Patent Increasing Bricks, for sewage purposes, which make a drain of much greater strength than the sharp-edge or roll-edge pipes, and at far less cost.

The machines are self-acting—the attendants have merely to put in the clay, and remove the bricks, or other ware, which may be produced.

When worked with two horse power, the machine will produce 1,000 bricks, or 1,000 3-inch pipes, per hour; more power can be applied if desirable and a larger result obtained.

The screws propel the clay without taking air in with it; thus the ware comes out free from the imperfections which are so often seen in the ware produced by piston presses; and the ware so generally condemned by cracks in burning, from the expansion of the air in the ware, is avoided.

The moderate price of this machine, and the simplicity of its construction, place it within the reach of almost every person in the trade, both as to cost and management. It not only lessens the cost of labour required in the process of brick making, but, as the clay can be used in a much drier state than it can be when moulded by the hand, the time occupied in drying is much less; and, where hollow bricks are made, a material saving is effected in the cost of manufacture and burning. In consequence of the great compression given to the clay in its transit, ware of very superior quality is produced.

For price and further particulars apply to RANDELL and SAUNDERS, Esqs., CHARLES JOHN GARE and CO. Engineers, Belper, Derby; STOTHERT, RAYNO, and PITT, Engineers, Bathy; or to FOWLER and PITT, Engineers, Bristol.

BRICK AND TILE MACHINES.

The Proprietors of HARTS PATENT BRICK and TILE MACHINES are overpressed to receive and execute orders with the least possible delay, but to prevent disappointment they beg to state that they will rigidly adhere to the order in which they are received.

The advantages of the Brick Machine may be briefly described:—

1st. The clay is pugged and the brick moulded by the same machine, and may be produced in this way that cannot be worked by hand.

2nd. The bricks are superior in quality to hand-made, being of a uniform density.

3rd. The bricks pass from the mould to the pallet-boards without injury by handling, and are much sooner ready for the kiln.

4th. In self-acting, portable, and cheap—with skilled labourers, and one horse to each machine to produce with facility.

5th. Is warranted with two-horse power to make 1,000 per hour, and will continue in working order for years.

6th. Towards 40 per Cent. in labour saved to the actual manufacturer, but which will be found to be trifling compared with the enormous advantages in the use of unmanured clay and the shortness of the time required between the mould and kiln.

The above statements will be fully borne out on application to any person using a Machine, and are confirmed by the performance of a Machine at the Yorkshire Agricultural Show, on the Vale of Aspham, where, after a severe trial, the Prize Medal was awarded to the Inventor, when the Machine was to 3/7ths first-rate Bricks within the hour.

Price ..... £200, net.

THE DOUBLE-ACTION HOLLOW-BRICK AND TILE MACHINE

Is very simple in construction, made entirely of iron, and will do the work with great rapidity. Hollow bricks of all sizes and pipes of different diameters, and moulded out of different diameters, have been previously taken, and may be worked by hand, horse, or steam power. Travels on wheels, and may be worked by unpaved ways indifferently. If required, the dies for Robert's Patent Hollow Bricks, as exhibited in Prince Albert's Model Cottages in Hyde-park, are manufactured for, and supplied with this machine.

Price for Hand Machine, complete ..... £30, net.

Horse or Steam ..... £35, net.

The price for horse work to drive one of the machines, of the overall size for horses, £10.

One horse will drive three machines.

Orders and communications are requested to be addressed to Mr. H. C. MOUNT, 10, Clement's-lane, London.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